

Claims

1. A method for the production in a linear drive (1) of an axially play-free entrainment connection between at least one rod (5) mounted for linear displacement and a guide unit (22) adapted to slide linearly in parallelism to the rod, a coupling member (26) of the guide unit (22) extending to the fore of an end face (27) of the rod (5) and being adhesively bonded to the rod (5) when the entrainment connection has been produced, characterized in that after the application of the adhesive (34) the coupling member (26) is screwed by means of at least one attachment screw (38) in such a manner axially to the rod (5) that relative movements between the coupling member (26) and the rod (5) remain possible athwart the direction of displacement, that then even prior to curing of the adhesive the movement unit (46) comprising the guide unit (22) and the rod (5) is shifted axially at least once

between its two stroke end positions in relation to the housing (2) of the linear drive (1), and that after the following curing of the adhesive the final screwing tight of the attachment screw (38) is performed.

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2. The method as set forth in claim 1, characterized in that the shank (37) of the attachment screw (38) is inserted through an opening (42) in the coupling member (26) and screwed into a threaded hole (36) in the rod (5), such hole
10 opening at the terminal face (27) of the rod (5).

3. The method as set forth in claim 1 or in claim 2, characterized in that the joining face (35) facing the rod (5) is provided at the floor of a recess (47), rendering
15 possible the insertion of the end of the rod (5), in the coupling member (26) into which recess the adhesive (34) is preferably introduced.

4. The method as set forth in claim 1 or in claim 2,
20 characterized in that as a joining face (35) facing the rod (5) a peripherally limited face section of the coupling member (26) is provided.

5. The method as set forth in any one of the claims 1 through 4, characterized in that the movement unit (46) is reciprocated several times between its stroke end positions prior to curing of the adhesive (34).

6. The method as set forth in any one of the claims 1 through 5, characterized in that at least one rod (5) is constituted by a drive rod of the linear drive (1).

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7. The method as set forth in any one of the claims 1 through 6, characterized by use in a linear drive (1) driven by fluid force or electrically.

8. The method as set forth in any one of the claims 1 through 7, characterized by use in a linear drive (1) whose guide unit (22) is designed carriage-like.

9. The method as set forth in any one of the claims 1 through 8, characterized by use in a linear drive (1) whose coupling member (26) is in the form of a yoke plate.